

## New England Biolabs Product Specification

*Product Name:* NEBNext<sup>®</sup> Multiplex Oligos for Illumina<sup>®</sup> (96 Unique Dual Index Primer Pairs Set 2)  
*Catalog #:* E6442S/L  
*Kit Components:* NEBNext<sup>®</sup> Unique Dual Index Primer Set 2 (E6443)  
USER<sup>®</sup> Enzyme (E6610)  
NEBNext<sup>®</sup> Adaptor for Illumina<sup>®</sup> (E6612)  
*Shelf Life:* 24 months  
*Storage Temp:* -20°C  
*Specification Version:* PS-E6442S/L v1.0  
*Effective Date:* 17 Jun 2019

### Assay Name/Specification (minimum release criteria)

**Functional Testing (Library Construction, Oligo)** - Each of the components are functionally validated through construction of libraries made from commercially available genomic DNA. Libraries are made from each unique barcoded oligonucleotide and are sequenced together on the same Illumina<sup>®</sup> flow cell and compared across various metrics including library yield, fraction of reads aligning to the reference, GC bias, and insert size.

\* **Individual Product Component Note** - Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> Multiplex Oligos for Illumina<sup>®</sup> (96 Unique Dual Index Primer Pairs Set 2) and meet the designated specifications.



Date 17 Jun 2019

Derek Robinson  
Director of Quality Control

